

<b>Project Name:</b>		Relationships between <i>in vitro</i> and <i>in vivo</i> biomarkers/chemical yields (N15XX)	
<b>Purpose:</b>		To develop a model for establishing the relationship between <i>in vivo</i> measurements of smoke constituents based on human exposure studies with <i>in vitro</i> yields of the same constituents from smoke chemistry.	
<b>Reason for Doing this Work:</b>		<input checked="" type="checkbox"/> Guidance <input type="checkbox"/> Short Term <input type="checkbox"/> Evaluation <input checked="" type="checkbox"/> Long Term <input checked="" type="checkbox"/> Product Design	
<b>Initiative and sub-initiative:</b> (Check all areas that apply)		<input type="checkbox"/> Determinants of Exposure <ul style="list-style-type: none"> <li><input type="checkbox"/> Addiction</li> <li><input type="checkbox"/> Ammonia</li> </ul> <input checked="" type="checkbox"/> Understanding Product Toxicity vs Product Design <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Exposure</li> <li><input type="checkbox"/> Carbon</li> <li><input type="checkbox"/> Menthol</li> <li><input type="checkbox"/> Low Tar</li> <li><input type="checkbox"/> ETS</li> <li><input type="checkbox"/> Specific Compounds</li> </ul> <input type="checkbox"/> Evaluation Framework Clinical <ul style="list-style-type: none"> <li><input type="checkbox"/> Cancer</li> <li><input type="checkbox"/> COPD</li> <li><input type="checkbox"/> CVD</li> <li><input type="checkbox"/> Molecular Biology</li> <li><input type="checkbox"/> All Disease</li> </ul> <input type="checkbox"/> Evaluation Framework Non-Clinical <ul style="list-style-type: none"> <li><input type="checkbox"/> Cancer</li> <li><input type="checkbox"/> COPD</li> <li><input type="checkbox"/> CVD</li> <li><input type="checkbox"/> Molecular Biology</li> <li><input type="checkbox"/> All Disease</li> </ul> <input type="checkbox"/> Broaden Flexibility after Clinical Studies <input checked="" type="checkbox"/> Rapid Screening <input type="checkbox"/> Knowledge Management <input type="checkbox"/> Risk Assessment <input type="checkbox"/> Communication <input type="checkbox"/> Surveillance <input checked="" type="checkbox"/> Smoking Conditions <input type="checkbox"/> Improve Prep Subjectives <input type="checkbox"/> Lit End Cigarette Reduced Exposure Design	
<b>Project Leader:</b>		Jingzhu Wang	
<b>Functional Area:</b>		CE	
<b>Prioritization:</b>		<input type="checkbox"/> Critical <input checked="" type="checkbox"/> Priority <input type="checkbox"/> Secondary <input type="checkbox"/> Low	
<b>Milestones:</b>		<b>Target Start Date:</b>	<b>Target Completion Date:</b>
1) Obtain smoking chemistry data		February 1, 2004	March 31, 2004
2) Merge with human exposure data		April 1, 2004	April 30, 2004
3) Statistical Analysis Plan		May 1, 2004	May 31, 2004
4) Carry out analysis plan		June 1, 2004	July 31, 2004
5) Preliminary report / presentation		August 1, 2004	August 31, 2004
6) Collect feedbacks and revise results		September 1, 2004	September 30, 2004
7) Final report		October 1, 2004	December 31, 2004
<b>Internal Resource Allocation (WSA, PMRL, PMI)</b> (Man Hours)		<b>External Resource Allocation (other PMUSA, external vendors)</b> (Man Hours)	
Jingzhu Wang 300 hours, Mohamadi Sarkar 160 hours, Qiwei Liang 80 hours, Hans Roethig 20 Hours			

☐ Approved as Written  
☐ Approved with Modifications  
☐ Not Approved

Source: <https://www.industrydocuments.ucsf.edu/docs/qklj0001>